

CLAIMS

WHAT IS CLAIMED IS:

1. A grilling station for simultaneously grilling a variety of foods including; a plurality of grilling ovens, each of the grilling ovens having; a housing with a housing opening for loading food into the respective housing, a first grilling unit in each housing for supporting food, and a second grilling unit in each housing unit positionable above each respective first grilling unit and being vertically moveable relative to the respective first grilling unit; and a control assembly connected to the first and second grilling units in each of the grilling ovens to determine selectively the length of time energy is supplied to the grilling units in each of the ovens to provide selective separate grilling times in each of the ovens.

2. A grilling station for simultaneously grilling a variety of foods as defined in Claim 1, wherein each grilling oven includes; a regulator connectable to each respective second grilling unit to limit selectively the distance between each first grilling unit and the respective second grilling unit.

3. A grilling station for simultaneously grilling a variety of foods as defined in Claim 1, wherein each grilling oven includes a grease trough connected to the respective first grilling unit to collect grease from that first grilling unit.

4. A grilling station for simultaneously grilling a variety of foods as defined in Claim 1, wherein a signal connected to the control assembly is mounted on the housing of each of the grilling ovens to indicate that energy is no longer supplied to the respective first grilling unit.

5. A grilling station for simultaneously grilling a variety of foods as defined in Claim 1, including; a door is mounted on the housing for selectively closing the respective housing opening, the first grilling unit of each grilling oven connected to the respective door to move a portion of the first grilling unit into the respective opening when the door opens to move that portion of the first grilling unit into the housing when the door closes, each second grilling unit connected to the respective door to move away from the respective first grilling unit when the door opens and to move toward the first grilling unit when the door closes.

6. A grilling station for simultaneously grilling a variety of foods as defined in Claim 1, wherein each grilling oven includes a regulator connectable to the respective second grilling unit to limit selectively the distance between each first grilling unit and the respective second grilling unit, and a grease trough connected to each first grilling unit to collect grease from that first grilling unit.

7. A grilling station for simultaneously grilling a variety of foods as defined in Claim 1, whereas each grilling oven includes a regulator connectable to the respective second grilling unit to limit selectively the distance between each first grilling unit and the respective second grilling unit,
5 and a door pivotally connected to each housing for selectively closing the respective opening, the first grilling unit of each grilling oven connected to the respective door to move a portion of the first grilling unit into the opening when the door is opened and to move the first grilling unit into the housing when the door is closed, and each second grilling unit connected to the
10 respective door to move away from the respective first grilling unit when the door is opened.

8. A grilling station for simultaneously grilling a variety of foods as defined in Claim 1, wherein each grilling oven includes a grease trough connected to the respective first grilling unit to collect grease from that first grilling unit, and a signal connected to the housing of each of the grilling ovens, each signal connected to the control assembly to indicate that energy
5 is no longer supplied to the respective first grilling unit.

9. A grilling station for simultaneously grilling a variety of foods as defined in Claim 1, including; a door pivotally mounted on each housing for selectively closing the opening in the housing, each door connected to a respective first grilling unit to move a portion of the first grilling unit into the opening when the door is opened and to move the first grilling unit into the housing when the door is closed, each door connected to a respective second grilling unit to move the second grilling unit away from the respective first grilling unit when the door is opened, and a regulator in each grilling oven connectable to each second grilling unit to limit selectively the distance between the first grilling unit and the respective second grilling unit.

10. A grilling station for simultaneously grilling a variety of foods as defined in Claim 1, including; a door pivotally mounted on each housing for selectively closing the respective opening in the housing, each door connected to a respective first grilling unit to move the first grilling unit toward the opening when the door is opened and to move the first grilling unit into the housing when the door is closed, each second grilling unit connected to a respective door to move away from the first grilling oven when the door is opened, a regulator in each grilling oven connectable to the respective second grilling unit to limit selectively the distance between the first grilling unit and the respective second grilling unit, a grease trough connected to each first grilling unit to collect grease from that first grilling unit, and a signal mounted on the housing of each of the grilling ovens to indicate that energy is no longer supplied to the first grilling unit.

11. A grilling oven for cooking food including; a housing having an opening for loading food into the oven, a first grilling unit movably positioned in the housing for supporting food within the housing, a second grilling unit positioned above the first grilling unit and being vertically moveable relative to the first grilling unit, and a control assembly connected to the first grilling unit and to the second grilling unit to determine selectively the length of time energy is supplied to the grilling units to heat said units.

5 12. A grilling oven for cooking food as defined in Claim 11, including a grease trough connected to the first grilling unit to collect grease from the first grilling unit.

13. A grilling oven for cooking food as defined in Claim 11, including a signal mounted on the housing and connected to the control assembly to indicate that energy is no longer supplied to the grilling units.

14. A grilling oven for cooking food as defined in Claim 11, including a door pivotally mounted on the housing for selectively closing the opening, said door connected to the first grilling unit to move a portion of the grilling unit into the opening when the door is opened, and said door being connected to the second grilling unit for moving the second grilling unit away from the first grilling unit when the door is opened.

15. A grilling oven for cooking food as defined in Claim 11, including a regulator mounted in the housing and connectable to the second grilling unit to limit selectively the distance between the first grilling unit and the second grilling unit.

16. A grilling oven for cooking food as defined in Claim 11, including a grease trough connected to the first grilling unit to collect grease from the first grilling unit, said grease trough being positioned adjacent to the opening in the housing and below the first grilling unit, and a signal mounted on the housing and connected to the control assembly to indicate whether energy is being supplied to the grilling unit.

17. A grilling oven for cooking food as defined in Claim 11, including a door pivotally mounted on the housing for selectively closing the opening in the housing, said door connected to the first grilling unit to move a portion of the grilling unit into the opening when the door is opened, said door being connected to the second grilling unit for moving the second grilling unit away from the first grilling unit when the door is opened, and a signal mounted on the housing adjacent to the opening, and connected to the control assembly to indicate whether energy is being supplied to the grilling units.

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18. A grilling oven for cooking food as defined in Claim 11, including a door pivotally mounted on the housing for selectively closing the opening in the housing, said door connected to the first grilling unit to move a portion of the grilling unit into the opening when the door is opened, said door connected to the second grilling unit for moving the second grilling unit away from the first grilling unit when the door is opened, and a regulator mounted in the housing connectable to the second grilling unit to limit selectively the distance between the first grilling unit and the second grilling unit when the door closes the opening in the housing.

19. A grilling oven for cooking food as defined in Claim 11,
including a grease trough connected to the first grilling unit to collect grease
from the first grilling unit, said grease trough being positioned below the
upper surface of the first grilling unit and adjacent to the opening in the
5 housing, a door pivotally mounted on the housing for selectively closing the
opening in the housing, said door connected to the first grilling unit to move
the grilling unit into a position wherein a portion of the grilling unit is in the
opening when the door is opened, said door connected to the second grilling
unit for moving the second grilling unit away from the first grilling unit when
10 the door is opened, a regulator mounted in the housing connectable to the
second grilling unit to limit selectively the distance between the first grilling
unit and the second grilling unit when the door is closed, and a signal
mounted on the housing adjacent to the opening and connected to the control
assembly to indicate whether energy is being supplied to the grilling units.

20. A grilling oven for cooking food as defined in Claim 11,
including a door pivotally mounted on the housing for selectively closing the
opening, said first grilling unit including a platen horizontally movable in the
housing, a heating unit thermally connected to the platen and being
electrically connected to the control assembly, a slotted link pivotally
connected to the door, a stud mounted in said platen, said slotted link
including a slot slidably receiving the stud, an elongated link having one end
pivotally connected to the door, a pivotal lever pivotally connected to the
housing and being pivotally connected to one end of the elongated link, said
10 second grilling unit including a second platen and a second heating unit
thermally connected to the second platen, the second heating unit being
electrically connected to the control assemble, a pair of tracks mounted in the
housing with one track on one side of the second platen and the other track
being on the other side of the second platen, a roller mounted in each of the
tracks and being connected to the second platen to guide movement of the
second platen, said pivotal lever having a roller at one end connected to the
15 second platen to move the second platen away from the first platen when the
door is opened, and a manual control regulator pivotally mounted in the
housing, said manual control regulator having an ear selectively engageable
with the second platen for limiting the space between the second platen and
the first platen, said manual control regulator having a handle extending
20 outside of the housing.